CASH BOY CROSSCUT | SENSATIONAL NEW IN MINERALIZED ZONE

Has Nearly One Hundred Discoverer Breaks \$1000 Profits Increase Over Previ-Feet Yet to Go to Top Vein.

President A. S. Ross of the Tonopah Consolidated Cash Boy Mining company at Tonopah received a telegram today from the mine superintendent that in the crosscut now being run on the 1400foot level and at a distance of sixty-eight feet from the shaft, stringers of ore assaying \$1.10 have appeared in the face. With the exception of these stringers there is no change in the formation. It is expected the crosscut will have to run 160 feet to catch the vein for which it is aimed.

180 feet to catch the vein for which it is aimed.

The Cash Boy property is in the west part of the Tonopah district and lies adjoining and in fact aimost between the Tonopah Merger and the Tonopah Extension. It is balieved to carry both of the veins extending through those properties, but will have to go deeper than is necessary on them because of the dip. The Tonopah Merger has now drifted on the vein on the 1100 level in its ground to within \$00 or 400 feet of the Cash Boy's end line, and the Tonopah Extension working at about the same depth is within a few hundred feet of the side line. The outlook for getting commercial ore is good and President Ross is correspondingly encouraged.

La Rose January Profits.

Messrs Logan & Bryan furnish the following received over their private

wires vesterday:
The La Rose Mines company reports
net profits for January of \$30,515.
Granby Consolidated has declared its
regular quarterly dividend of \$1.50 per
share.

New York Mining Stocks.

Logan & Bryan, investment brokers 169 South Main street, furnish the follow-ing, received over their private wire yes-terday afternoon:

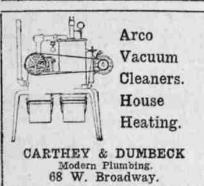
	NEW	YORK	LISTED		STOCKS		
-	_		T Stales	7	11 1 1		

Sales.	34.	Le	CHEE
2,900	422	423	425
600	171	172	172
1,000	233	202	234
400	161	161	161
2,800	201	20	20
500	35	359	359
2,000	56	551	552
200	275	271	27章
	3	25	23
700	224	223	228
JRB R	ANG	E	
	2,900 600 1,000 400 2,800 500 2,000 200	1,000 232 400 164 2,800 204 500 36 2,000 56 200 272 700 222	2,900 422 425 600 174 172 1,000 232 232 400 164 164 2,800 204 20 500 36 352 2,000 56 552 200 274 274

	Sales.	H.	L.	Clse
Yukon Gold	2001	251	23	27
Braden Copper	2,000	721	71	73
La Rose	300	1.2	19	115
Nevada Hills	1,000	43	40	40
Kerr Lake	100	42	42	43
Goldfield Con	1,000	19	1.9	3.6
Con Cop Mines		24	22	25

Backache-Rheumatism Vanish Away Men and women having backache, theumatism, stiff and swollen joints are honestly glad to know that Foley Kidney Pills are successful everywhere in driving out these ills. That is because Foley Kidney Pills are a true medicine and quickly effective in all diseases that result from weak inactive kidneys and urinary irregularities. Schramm-Johnson, Drugs, "the Never-Substitutors," five (5) good stores.

(Advertisement.) ONE GOOD JOB BRINGS TWO. That's why the Century continues to grow. Century Printing Co., 231-35 Edi-son St. (Advertisement.)





ASSESSMENT NO. 2 AND STOC

DIVIDEND.

Dugway-Bonanza Mining Company; principal place of business, Salt Salt City, Utah. Notice is hereby given that at a meeting of the directors held on the list day of January, 1914, an assessment of one-half cent per share was levied on the capital stock of the corporation, payable immediately to Cyrus G Gatrell, secretary, at the office of said company, 311 D. F. Walker building, Salt Lake City, Utah. Any stock upon which this assessment may remain unpaid on the 18th day of March, 1914, will be delinquent and advertised for sale at public auction, and unless nayment is made before, will be sold on the 4th day of April, 1914, to pay the delinquent assessment together with the costs of advertising and expenses of sale.

Notice is also given that a stock dividen of one-half share upon each share upon which the above assessment be paid before date of delinquency has been declared, same to be issued at the time of payment of such assessment.

CYRUS G. GATRELL, Secretary.

211 D. F. Walker building, Salt Lake City, Utah.

ASSESSMENT NO. 8.

ASSESSMENT NO. 8.

ASSESSMENT NO. 8.

Yankee Consolidated Mining company, a corporation. Principal office and place of business, room 1120 Newhouse building. Sait Lake City. Utah.

Notice is hereby given that at a meeting of the board of directors of the Yankee Consolidated Mining company, held on the 4th day of February, 1914, an assessment of two (2) cents per share was levied and assessed on the outstanding capital stock of said corporation, payable February 5, 1914, to A. E. Canfield, secretary of said company, room 1120 Newhouse building, Sait Lake City, Utah. Any stock upon which the assessment may remain unpaid on the 7th day of March, 1914, will be delinquent and advertised for sale, at public auction, and unless payment is made before, will be sold on the 23rd day of March, 1914, to pay delinquent assessment thereon, together with coats of advertising and expenses of sale. A. E. CANFIELD, Eccretary Yankee Consolidated Mining Company, 0563

GOLD FIND NEAR RAY

From Projecting Ledge in Two Hours.

RAY, Ariz., Feb. 17.-Another sensa-

RAY, Ariz., Feb. 17.—Another sensational gold discovery in the newly opened district north of Ray has been made, according to the best reports. Walking along the course of the big ledge on his way from Ray back to his camp at the scene of the original strike, Walter Riggins broke off a piece of the protruding quartz with his single jack. After reaching camp he pounded it out on a rock with a hammer and then horn spooned it. The result, it is stated, was a teaspoonful of gold to less than a tomato can full of rock pulp.

Riggins returned to the ledge and broke off more rock, and with every piece came fresh disclosures of gold, it proved to be an ore shoot of great richness on the hanging wall. There was gold sprinkled all through the quartz, giving the quartz a yellowish appearance, and making one speculate on whether quartz or gold predominated. Specimens that would run from \$5000 to \$10,000 a ton were pieked up. Riggins put in two hours breaking off ore with the single jack. In that time he piled up a ton of ore which assayed \$1000 in gold.

When specimens of the ore were brought into Ray interest rose higher than ever.

When specimens of the ore were brought into Ray interest rose higher than ever. Mining men derive hope that the Ray Mining men derive hope that the Ray gold is not mere surface float from the fact that in the Riggins discovery gold appears as a primary metal. It is co-existent and independent of the sulphides. This, together with the size of the ledge and the general geological conditions surrounding the find, lead to the hope that the ore will see down.

rounding the find, lead to the hope that the ore will go down.

But little work will be done on the claims until the owners are able to take care of the ore. Guards have been set to protect the dumps against high graders, who might in a single night haul off ore of considerable value on their burros. By common consent the name "Gold Creek" has been applied to the district. The mineralized zone, thus far discovered, lies almost wholly on the south side of the creek.

the creek.

There are claims on the north side There are claims on the north side of the creek, however, and just over the first hill to the north lies the vanadium property of John Tillman. It also contains some lead. Tillman, likewise, has a claim at the mouth of Gold creek, adjoining the Hercules property. The next group of four claims, up the creek, is held by Ed Nettle and a Mr. Rice, an engineer on the Ray & Gila Valley rall-road.

An automobile road is now being built from Ray to the heart of the gold dis-trict.

EXPERIMENTAL MILL IS DOING GOOD WORK

The new 600-ton mill, which was placed in commission January 12 at the Inspiration property, is now treating upward of 500 tons per day. The results thus far obtained have been very encouraging and are fully up to expectations of the management.

Boston Mining Stocks.

Logan & Bryan, investment brokers 183 South Main street, furnish the follow-ing, received over their private wire yesterday afternoon

	Sales.	H	L	Clse
Algomah		12	14	1:
Butte & Superior Calumet & Arizona	900	361	361	363
Calumet & Arizona	125	688	681	683
Chief Con		12	1	1
Copper Range	45	398	391	39
Daly West Davis Daly		127	25	23
Davis Daly	1501	21	. 2	. 0
East Parite	301	12	13	12
East Butte Granby Con Greene Can	400	879	864	863
Greene Can.		391	381	281
Hancock Indiana Copper Inspiration Con		29	214	21
Indiana Conner	1000000	54	53	5.5
Inspiration Con		174	173	17
lake Copper		93	9	9
Inspiration Con. Lake Copper La Rose Mason Valley Novada Con. Nipissing North Butte North Lake		15	15	11
Moron Taller	******	221	42	9.1
Namada Con	5.0	161	163	16
Miningland	225	60	61	64
Name to Dotte	700	201	20	20
North Lake		95	90	90
Bay Con.		201	20	20
Hay Cou. Postan	1 420	775	200	40
Superior & Boston	1,430	28	71	- 4
			42	40
U S Smelter, com	125	100	483	
Preferred	00	203	400	48
Preferred	450	13%	135	13
Pond Creek	55 - 5 V AA	19	182	18
Michigan-Utah	44.85 40	10	10	10

	Bid.	Asked
Swift	1074	
Ahmeek	290	
Calumet & Hecla	445	450
Osceola	82	83
Shannon	- a7:	3
Tamarack	394	40
Winona	43	1 4
Alaska	223	22
Chino	424	42
Miami	200	23
Offbway	12	1 43
Eugle & Blue Bell		
United Fruit	171	
Allouez	41	18
	18	
Old Colony	66	
Quincy Shattuck	284	
First National	3	21
Copper Mines	92	2 13-1
Ohio Copper	31	33
Verde	50	55
Tuolumne	60	63
Boston Ely	49	51
	1	
Cactus Consolidated Arizona	-47	51
Majestic	92	95
Nevada Douglas	13	1 3
Oneco	12	1
Stewart	12	1 1
Yukon	22	

Nevadas in San Francisco.

Bid Asked.

Logan & Bryan, investment brokers at South Main street, supply the follow-received over their private wires yes-

4.4848.49	A STATE OF THE STA			ł t
this	Atlanta	\$.18	\$.10	١t
the	Booth	.05	.06	Dê
lelin-	Blue Bull	.04	.05	1
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e be-	Combination Fraction		13	
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share	Silver Pick Consolidated	0.9	.09	
	Vocasi	0.7	*****	- 25
it be	Vernal Yellow Tiger Manhattan district—	.04		1
has	Tallion Tibel	101	.02	l t
t the	Manhattan district-	11209		li
	Big Four	.16		16
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Lake				13
0528				10
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	Comstock district-	12.522.52	-10	
	Comstock district—	200		12
	Consolidated Virginia	-29	.30	13
pany.	Confidence	-33		1.
place	Hale & Norcross	-08	.00	1
-blind	Hale & Norcross Mexican Ophir	1.15	1.174	14
ound-	Ophir	65		10
100	Savage Sterm Nevada	00	.10	ь
meet-	Slaven Vanada	- 00		ı.
Yan-	Person	.13	-14	1
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n as-	Tonopah district-	De 1004		1
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nding	Cash Boy	.02	.10	В
pava-	Gypsy Queen	-03	.04	п
	Bm Butler	200	97	Þ
field.	Tononali Mercer	.60		н
1120	Tonopali Merger	.00	exertical.	ь
Utah.	Mon Pitts Extension		.40	В
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ay of	Montana	1.025		42
d ad-	MacNamara	1 .10	.11	ь
and	North Star	.39	.40	Е
ill be	Rescue Eula	1 .17	.18	п
	Topopali of Nevada	7.00	7.123	н
14, to	Rescue Eula Tonopah of Nevada	1	1.80	1
to-	West End	1 001	1.89	1
d ex-	West End	1.835	1.35	1
3.	Other districts-	20		1
lining.	Pitts. Silver Peak	.35	******	
0683	Other districts— Pitts Silver Peak Nevada Hills	.42	.48	1
0330				91

RAY CONSOLIDATED STRIKE IN DIAMOND NETTED \$2,790,485 QUEEN, SOUTH TINTIC

ous Year More Than \$700,000.

The toal operating profits of Ray Consolidated for 1913, as shown by its annual report, were \$2,790,485, as compared with \$2,069,903 for 1912.

The detailed report for the quarter ended December 31, 1913, shows profits amounting to \$731,766, including earnings of the Ray & Glia Valley Railroad company. This compares with \$678,621 for the corresponding quarter last year, and

the corresponding quarter last year, and with \$661,085 for the quarter ended September 30, 1912.

Production of copper, in pounds, for the quarter, as compared with the previous quarters, is as follows:

First month—Fourth quarter, 4,871,586; third quarter, 4,007,604; second quarter, 4,514,565; first quarter, 5,869,006.

Second month—Fourth quarter, 4,900,994; third quarter, 4,4065; second quarter, 4,495,217; first quarter, 4,677,818.

Third month—Fourth quarter, 5,222,167; third quarter, 4,470,581; second quarter, 4,392,612; first quarter, 4,428,872.

Total—Fourth quarter, 4,402,872.

Total—Fourth quarter, 15,004,727; third quarter, 12,969,120; second quarter, 12,402,394; first quarter, 12,269,696.

Average monthly production—Fourth quarter, 5,001,576; third quarter, 4,232,040; second quarter, 4,467,465; first quarter, 4,232,302.

In addition to connect contained in con-

quarter, 5,901,576; third quarter, 4,323,040; second quarter, 4,467,465; first quarter, 4.123,232.

In addition to copper contained in concentrates, there was produced 243,648 pounds of copper from ores shipped direct to the smelter. This production combined with that derived from concentrates, makes the total copper production for the quarter 15,248,365 pounds.

Total amount of ore milled for the quarter was 665,024 tons, averaging 1.7152 per cent copper, as compared with 575,190 tons, averaging 1.72 per cent for the third quarter, and 687,877 tons, averaging 1.70 per cent copper for the Second quarter, and 587,295 tons, averaging 1.70 per cent copper for the second quarter, and 587,295 tons, averaging 1.70 per cent copper for the found for the first quarter. This tonnage shows a daily average of 7229 tons for the fourth quarter, 6252 for the third quarter, 6460 for the second quarter and 5969 for the first quarter.

Average mill recovery for the quarter was 65.772 per cent. The mill saving increased but slightly during the quarter, owing to continuation of mill improvements which were mentioned in the last quarterly report. In order to apply these it has been necessary to interfere considerably with regular operations, and this condition, coupled with the increase of tonnage, has prevented a nighter extraction. Expense of these changes has been included in the operating expenditures, and is reflected in the slightly higher milling cost for the quarter, which was 51.739 cents per ton, as compared with 57.123 cents for the third quarter. Average mining and coarse crushing cost for the quarter, which with per counter the per ton, as compared with first quarter was 70,768 cents per ton, of which 3.637 cents per ton, as compared with first quarter. Some produced for the quarter, after allowing the second quarter and 72.112 for the first quarter.

for the second quarter and 72.112 for the first quarter.

Average cost per pound for net copper produced for the quarter, after allowing for smelter deductions, and applying the earnings of the Ray & Gila Valley as a credit to operations, was 9.9801 cents, as compared with 10.155 cents for the third quarter, 9.558 cents for the second quarter, and 2.5098 cents for the first quarter. This indicates an average cost per pound for the year of 2.8087 cents. This cost includes all operating and general charges, as well as a charge of 124 cents per ton for mine development extinguishment, this being equivalent to 5.743 cent per pound for the copper produced during the quarter and 559 cent per pound for the total production for the year.

Earnings are based upon a price of 14.831 cents per pound for the quarter. Total amount of copper on hand and in transit (sold and unsold) at the close of the quarter was 20.413.373 pounds, the unsold portion of which is inventorical at 14 cents per pound.

At the close of the quarter all construction had been completed, except as to some minor improvements in certain portions of the concentrating department. The property as a whole has demonstrated its ability to fulfill predictions made in the past. At the time of mailing this report the tonnage mined and milled has reached practically 8000 tons per day, and it is expected that this rate will be quarter.

this report the tonnage mined and milled has reached practically 8000 tons per day, and it is expected that this rate will be maintained in the future.

BOND ISSUE NOTICE WEAKENS STOCK PRICES

Logan & Bryan, investment brokers, 59 South Main street, supply the fol-wing, received over their private wires

Logan & Bryan, investment brokers, 169 South Main street, supply the following, received over their private wires yesterday:

From Logan & Bryan, New York.—The list presented a rather firm tone until late in the afternoon when, after it was announced that the Great Northern would issue \$19,000,000 additional stock at par, weakness developed and the market closed at about the lowest levels of the day. The affairs of the New Haven and Boston & Maine again commanded attention and scattered liquidation was in evidence in both issues.

Nothing grew out of the vague reports which were circulated yesterday relating to the conditions in Mexico and the corporations having interests in that country were somewhat steadler. Corporations are apparently preparing for their financial needs, as is evidenced by the action of Southern Pacific and Great Northern, and further announcements will doubtless be made within the near future along the same lines. Apparently the disposition has become quite pronounced on the part of prominent market interests to permit the stock list to fluctuate within preseribed limits, pending further developments.

The Washington news suggests legislation bearing on corporations will be checkmated in order that trade and industrial interests may be given an opportunity to work into a better state. It seems that the slackening tendencies in most lines have run their course, but the rebound so far has been rather feeble. While the outlook is mixed and speculative sellers somewhat more aggressive than heretofore, still we doubt that the amount of liquidation forced on the declines will be of sufficient volume to make the selling side very attractive, unless, of course, occurrences become so disturbing as to promote aggressive liquidation by foreigners. Aside from conditions in Mexico there does not appear to be much that is likely to precipitate an acute state of affairs.

From Paine, Webber & Co., Boston.—Market hesitated again today and acts as if it will take some new development to start renewed acti

Mason Valley Shipments.

Following are the total ore receipts of Mason Valley smelter at Thompson for the seven days ended Thursday, Febru-ary 12, says the Mason Valley News:

Nevada-Douglas 637 Mason Valley Mines 1,410 Miscellaneous mines 624 Shipments of blister copper from Thompson for same period, four carloads.

An important strike is reported from the south end of the Tintic mining district which, will tend to encourage the further development of that region, according to the Mammoth Record.

The strike was made in the Diamond Queen, in the tunnel which has been driven into the hill for about 490 feet. It is reported that the vein is eight feet wide and that assays have been made that show 80 per cent lead. Arthur Keneer and associates are developing the property, which promises to become a valuable producer in a short time.

time.

In the early days shipments of rich ore were made from the Diamond region, but work has been suspended for years on most of the properties. Practically all of the work now being done there is bringing results, and there is scarcely a doubt but that a number of producers will be added to Tintic's growing list.

This week the Minnis Moore shipped a car of good ore, after being idle for years, with the exception of a car shipped about two mofilis ago. Peterson & Monding have a lease on the property, which is looking better as work progresses. progresses.

Cave Reveals Ore Shoot.

Frank Greenhalgh, who has a contract for the driving of 100 feet from the main tunnel of the Santaquin King property at Santaquin, came up from there yesterday with samples of excellent ore which he took from the ore struck in a large cave which his extension has penetrated.

In following the cave down Mr. Greenhalgh claims he has discovered a place

In following the cave down Mr. Green-halgh claims he has discovered a place where there is twelve feet of ore. In tracing down the cave sixty feet further he finds the ore still going down. The ore is a kind of galena and carbonate. The values are displacements of the limestone Only forty feet of the con-tract had been completed when the cave was encountered.

Shipping Ore at Victor Con.

Ore of a good shipping grade has been incountered recently on the Boss Tweed fround of the Victor Consolidated by the ground of the Victor Consolidated by the lessees. Joseph Treloar and Brigham Kimball, at a depth of sixty feet. Stoping is in progress at present south of the shaft and the lessees expect to ship a carload of ore from this property in the near future. The vein is well defined and has all the characteristics of permanency. The ore carries 7 to 8 per cent copper besides small values in silver and gold.

TRADING IS LIGHT ON LOCAL EXCHANGE

The lower priced stocks had an inning yesterday, United Tintic leading in number of shares sold, with the transfer of a 7000-share block at half a cent. Bingham Amalgamated was second with 5500 shares sold at 5½ and 5½ cents, and Utah Consolidated was a good third, selling 5000 shares in three lots at prices of from a half to three-fourths of a cent. Uncle Sam sold 350 shares at 5 cents, and there were two transfers of Prince Consolidated at 18 cents. Victoria Consolidated sold 100 shares at 40 cents, Iron Blossom 300 at \$1.17½ and Silver King Coalition 50 at \$3.50.

The total of the day's business was 18,700 shares sold for \$968,50. Closing quotations were as follows: UNLISTED STOCKS.

	Bid.	Asked
Thompson-Quincy \$	164	\$.195
Alta Consolidated	.04	.05
Rico-Wellington	.124	.135
Santaquin King	.002	
Utah Mine		.05
Federal Ely	.008	
Signal Peak	.02	.05
Utah Metal	. 43	.52
Bull Valley		-25
LISTED STOCK	S.	
1 1 10	-	

and the second s			.008	.05 .62 .25
L	ISTED	STOC	KS.	
	A.	M.	P.	M.
	Bld;	Asked.	Bld.	Asked
Addie	054 05 07 002 103 11.20 5.00	\$.10 .063 .06 .10 .01 .12 .019 1.95 5.75	.06½ .05 .00½ .10 .01½ 1.15 5.00	\$.10 .07 .07 .07 .01 .12 .013 1.50 5.75

3	Colo Min.	.105	.12	.10	.12	
u	Cr Point.	.01	.019	.015		U
3	Daly	1.20	1.95	1.15		II.
H	D-Judge	5.00	5.75	5.00	5.75	П
i	E Prince.		.001		.004	U
d	E & BI B.	.90	1.25	.90	1.10	г
H	E T Con	004	.004	0122		ı
d	Emerald	.01	.10	.043	.07	Ю
ı	Gold Chain	14	.16	.14	.16	ď
N	Gr Cent	.57	.65	57	.64	Н
1	Iron Blos.	1.174		1.175		u
И	Keystone		.08		.08	П
3	King Wm	.04	-041	04	.043	н
ij	Lead King	.01	.03	.01	.03	١.
H	Lehi Tin.	-001		.001		
IJ	Little Bell	.10	.35	10	.35	
3	L Mam	.01	.015	.011	.014	
H	Mammoth.	.10	1.00	.10		ı
Н	Mas Val.	3.00	4.00	3.00	4.00	и
d	May Day.	.082	.078	.07	.074	U
d	Min Flat.		.02		.02	Ŀ
	Mt Lake.	.02	.04	.02	.04	М
ij	Nev Hills.	.30	.50	.30	.50	п
i	New York	.02	-10	.02	.10	ı
á	Ohio Cop.	.30	.38	.30	.37	И
8	Opohongo.	.02	.04	.02	.04	Ľ
1	Pitts-Ida.		.90		-95	E
И	Plutus	.05%	.08	.053	.08	В
d	Prince C.	.17 .004 .10	.19	17	.185	N
Ó	Rexall	.001	2000	.002		V
ij	S Trs Coal.	-10	.30	-11	.29	H
	DOY LIB	10.022		.021		П
Ñ	S!! K Con.	1.55	1.621	1.55	1.60	
Ų	Sil K Coal	3.45	3.52	3.424	3.521	P.
ij	Sil Shield.	******	.02			B
ì	Sioux Con	-021		.023	.07	R
ij	Swan Con	.002		.004		12
ş	Tin Zinc	.07	.15	.07	.14	1
Ø	Tin Cent. United Tin.		.011	200		ы
9		.054	.002	.004		н
	Uncle Sam Utah Con.	.001	.07	.051	-08	
9	Un Chief.	.02	.01	.004		
H	Victor Con		00	.02	.03	1
	Victoria C	39	-03	.011	-04	
	Wilbert	.08	.485	.38	.40	1
ı	Moscow			.08	.10	
g	MOSCOW	-24	274	.20	-216	1

INDUSTRIALS. Bld. |Asked.| Bld. |Asked. C W & M \$91.00 \$96.00 \$90.00 \$97.00 M S T & T. 93.00 100.00 93.00 101.00 Amer Fuel .12 .15 .12 .15 Cas Val C. 2.50 3.52 2.45 2.50 Ind C & C. 1.50 1.76 1.50 1.90 Spg Can C. .90 1.30 .92 1.35

FORENOON SALES. Iron Blossom, 100 at \$1,173. Utah Con., 2000 at \$04 Shares sold, 2100. Selling value, \$127.50.

OPEN BOARD. OPEN BOARD.

Prince Con., 160 at 18c.

Iron Blossom. 200 at \$1.17\frac{1}{2}\$.

Silver King Coalition, 50 at \$3.50.

Victoria Con., 160 at 46c.

Utah Con., 1000 at \(\frac{1}{2}c.\) 2000 at \(\frac{1}{2}c.\)

Utah Con., \$350 at \(\frac{1}{2}c...\)

Salves sold, \$350.

Selling value, \$488.

AFTERNOON SALES. Prince Con., 300 at 18c. United Tintle, 7000 at \$c. Shares sold, 7200. Selling value, \$53.

OPEN BOARD. Bingham Amalgamated, 1999 at 51c 500 at 53c. Shares sold, 550c. Selling value, \$30c.

The Week at Tonopah.

LUCKY DEPOSIT IS

With twenty-two feet of a vein of ore rapidly opening up which averages from 8 to 15 per cent copper and from 6 to 10 ounces of allver, prospects at the Lucky Deposit property at Aurum in White Pine county, Nevada, are exceedingly encouraging, according to the mine manager L. G. Hardy, who has just received news covering the most recent developments, says the Ely Expositor.

recent developments, says the Ely Expositor.

The miners have sunk through twenty-eight feet of sulphides which average 8 per cent copper and six ounces silver. From here a drift was sent along the strike of the vein about sixty feet under the surface. This high-grade ore averaged 15 per cent copper and ten ounces silver. Figuring the vein at right angles it shows a thickness now of twenty-two feet.

CARBONATE ELY HAS OPENED GOOD ORE

erty, situated in Sawmill canyon east from the town of Lund, a good showing of copper ore is being opened up that

of copper ore is being opened up that promises the making of a big mine in the old Ellison district, according to the Ely Expositor.

At the depth of forty-seven feet in the shaft a crosscut was run that cut an ore body eight feet wide which averages is per cent copper. A borse of lime was then found which proved to be between two and three feet wide and then the crosscut again entered ore. Last reports from the mine stated that the face had been driven eight feet into the second ore body without finding the farther wall. This ore is said to go 10 per cent in copper and the indications are the ledge will prove quite extensive.

DIPPY GROUP ORE SHOWS GOOD ASSAYS

Ed Bardsley returned Wednesday morning from Salt Lake, where he had been for the past week on business matters pertaining to mining and his mercantile interests, says the Beaver Press. He took samples from the Dippy group which were assayed and the returns were most satisfactory. The samples were carefully selected so that they would determine the value of the entire width of the ore vein and the returns show of per cent lead, five ounces sliver and a strong trace of gold. The ore also carries about 15 per cent iron, which makes an ideal smelting proposition. At present only two men are working on the property, but on the return of Mr. Bardsley Bert Nichols went out to the property where he expects to remain for at least ten days outlining a vigorous development campaign and on his return more men will be put to work. for the past week on business matters

THINKS COPPER WILL GO TO FIFTEEN CENTS

One of the largest copper producers in the country, in speaking of the copper situation, says:

London standard today was up at one time to £67, which is equal to 14.55 cents per pound. Electrolytic is firm at 14% cents with every indication of 15 cents in a few days. Naturally, there is a little lull in buying, as consumers have bought so much recently and now seem disposed to wait for statistics coming out at noon Monday next. We have heard from a well-posted authority on trade conditions here and abroad that the sales of copper during December and January were in excess of 300,000,000 pounds.

DAY-BRISTOL TRAM WORK PROGRESSING

Work on the Day-Bristol tram in the Pioche district is proceeding rapidly. All of the towers on the north side of the mountaintare up and some of those on the south side. It is expected the towers will all be erected by the end of this month and the tram completed and ready to go into commission by April 1.

F. C. Richmond of the F. C. Richmond Machinery company, which is erecting the tram, returned yesterday from an inspection of the work. He says the Pioche district is looking prosperous and that the numerous leasers are doing well almost without exception. The same branch train on which Mr. Richmond traveled from Pioche to Callente in coming out brought eleven cars of ore.

JANUARY OUTPUT OF UTAH COPPER

Logan & Bryan received the following over their private wires yesterday:
Utah copper production, preliminary figures, shows production in January was 10,619,036 pounds of copper. The December production was 10,524,790 pounds.
Calumet & Arizona and Superior & Pittsburg January production was 5,-975,000 pounds of blister copper.

Nebo Star a Producer.

Nebo Star a Producer.

P. P. Christison, president of the Nebo Star Mining company, was at the mine Monday. He returned with glowing reports of the mine. The leasers are taking out ore very fast, and the ore body is increasing in size and richness. They are taking out from two to seven mining cars sach day. Arrangements are being made for pushing the lower tunnel into the mountain where they expect to tap the ore lodges. It is thought in fifty feet they will strike the main body of ore.—Juab County Times.

Mining Notes.

The well being drilled for oil or gas near Brigham City is now down 1700 feet and bedrock has not yet been reached. Nat Levi, who is in charge of the work, says the flow of gas has increased somewhat.

George L. Walker of Boston tlinks Chino will produce 70,000,000 pounds of copper in 1914. The annual meeting of the Buillon Beck & Champion Mining company will be held on March 2.

Some changes are to be made by C. E. Johnson at the Queen of Sheba property. For a number of years Mr. Johnson has been operating the property and he now intends to either put in a new mill or move the old one up the canyon closer to the mine and equip it with new mechinery.

At the Tintic Standard the winze is down sixty feet below the 1000 level, where there is from eight to ten inches of solid galena. The incline winze has been in ore all the way down from the tevel, although the ore has falled to widen out.

APPROPRIATE NAME LEACHING PROCESS FULL OF INTERES

This Method of Recovering Copper Metal Attracting Much Attention.

The Engineering and Mining Journal, discussing the question of leaching copper ores, which has of late been attracting a great deal of attention especially in Montana, Utah and Nevada, has this to

A question that is interesting metallurgists and mining engineers, and one which offers no small possibilities, is the problem of leaching copper ores direct. Experiments along leaching lines, both at Butte and Anaconda, are proving very successful.

Anaconda, are proving very successful.

By the leaching process, as now practiced in most plants, the copper is taken into solution by sulphuric acid and deposited from this solution on copper plates by the electrolytic process. Some plants prefer to precipitate on scrap iron, but this latter method is rather expensive in localities where scrap iron, but this latter method is rather expensive in localities where scrap iron is not easily available. Even where it is comparatively cheap at the present time, these supplies would soon become exhausted in the event of leaching on a large scale.

Experiments are now being conducted for the manufacture of an artificial iron to replace the scrap. Up to the present time these experiments have been fairly successful, a product called "spouge" iron being made. This product seems to work admirably in the precipitation of copper out of acid solutions, its efficiency, of course, depending upon the metallic iron contained in the artificial product. So far the manufacture of this artificial product has been rather expensive, but it is more tiau growth in the artificial product. So far the manufacture of this artificial product has been rather expensive, but it is more tiau growth in the artificial product. So far the manufacture of this artificial product has been rather expensive, but it is more tiau growth in the artificial product. So far the manufacture of this artificial product has been rather expensive, but it is more tiau growth in the artificial product. So far the manufacture of this artificial product has been rather expensive, but it is more tiau growth in the artificial product. So far the manufacture of this artificial product has been rather expensive, but it is more tiau growth and the procession of the leaching method of the product that some method of the product the product to the leaching method of treating copper ores was given by the recent successful operation of

An impetus to the leaching method of treating copper ores was given by the recent successful operation of plants in Butte and Anaconda. In Butte the Butte-Duluth Copper company are now running plants which treat carbonate and silicate ores direct, and the success of these enterprises seems practically assured at this time. In Anaconda the Anaconda Copper Mining company has conducted and has in operation at the Washoe smelter an eighty-ton leaching plant for the re-treatment of tallings from the concentrator. Heretofore the tailings, containing about .65 per cent copper, have been allowed to run on the dump, thus becoming a total loss. This eighty-ton plant has proved so successful that plans are under consideration for the operation of one having a capacity of 6000 tons dally, the plant to cost approximately \$2,000,000. In this process, however, the tailings are roasted with the addition of salt before being subjected to the leaching process.

Ore Shipments.

The Utah Ore Sampling company reeased yesterday eight carloads of ore

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Net earnings for the Belmont & mary were \$150,288, a decrease of ompared with December.

OF TONOPAH M

The Tonopah Mining company for January were \$119,423, 2 deen \$12,792 from December earnings. January operations of the Jim netted that company profits of \$14 Stewart Company Appeals

JANUARY EARNINGS

The litigation in which the Mining company of Idaho has volved, relating to the adjoining drain, has been carried by the company to the supreme court, were two suits, one of which was by the Stewart company against tario company, contending that tario vein apexed into the Senat art Fraction and could be tracine south end line. The oth brought by the Ontario again Stewart for alleged unlawful e of ore from the Ontario claim, of these cases the Stewart compand an appeal to the supremedaho early last year also result adverse decision. drain, has been carried by the

Glendale Ships Car.

Sam Reed, one of the owners Blendale mine, was in town I Mr. Reed informed the Times and his partner, Mr. Plughoff, we a car of one from their mine to that things are looking pretty at the property.

Metal Market.

Metal prices posted in yesterday ket were as follows: Silver, 578 \$4.06; copper, \$14.575.

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